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Block bundle **adjustment** of Ikonos in-track images

T Toutin - International Journal of Remote Sensing, 2003 - informaworld.com

... of the Ikonos images and **metadata**; 2. acquisition of ... four Ikonos panchromatic off-nadir **viewing** images in ... triangulation method using a block bundle **adjustment**. ...

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Presentation of data to be displayed in a wireless network

TM Cronin, MH Shimoda, RP Banginwar, TT ... - US Patent App. 10/260,745, 2002 - Google Patents

... support a service that may **adjust** the presentation ... USER INTERFACE DATA & PRESENTATION **META DATA** 44 AUTOMATICALLY ... may be stored as presentation **metadata** that is ...

[All 2 versions](#)

METHOD FOR INTERACTING WITH A THREE-DIMENSIONAL GRAPHICAL ...

N CHANG - 2003 - freepatentsonline.com

... to a hierarchical tree based on **metadata** are made ... adjusted to provide the optimal **viewing** of the ... the user with independent tilt **adjustment** capability can, in ...

[All 5 versions](#)

User interface and method for interacting with a three-dimensional graphical environment

NLA Chang - US Patent App. 10/021,648, 2001 - Google Patents

... 8 shows **adjustment** of **viewing** angle depen- dent ... according to the images' corresponding data object **meta- data**. ... a hierarchical tree based on **metadata** are made ...

[All 4 versions](#)

Calibrated, registered images of an extended urban area- ► [mit.edu](#) [PDF]

S Teller, M Antone, Z Bodnar, M Bosse, S ... - International Journal of Computer Vision, 2003 - Springer

... by the type of calibration **metadata** available for ... mosaic (left), an interactive perspective **view** of the ... detection with semi-automated bundle **adjust- ment**, in ...

[Cited by 82](#) - [Related articles](#) - [BL Direct](#) - [All 23 versions](#)

Updated Population **Metadata** for United States Historical Climatology Network Stations

TW Owen, KP Gallo - Journal of Climate, 2000 - ams.allenpress.com

Full Text **View**. ... includes population-based temperature modifications to **adjust** urban temperatures ... Unfortunately, the decennial population **metadata** file is not ...

[Cited by 2](#) - [Related articles](#) - [BL Direct](#) - [All 8 versions](#)

Private display system

CA Zacks, D Harel, F Marino, KM Taxier, MJ ... - US Patent App. 10/650,896, 2003 - Google Patents

... or more people to enter system **adjustment** preferences such ... possible define more than three **viewing areas** in presentation ... 10 can be limited to an **area** that is ...

[All 2 versions](#)

ANIMATION DATABASES

Z Huang, N Chokkareddy, B Prabhakaran - Handbook of video databases: design and applications, 2003 - books.google.com

... Reusing animations is a research **area** to devise the 417 ... 17.15 Model **metadata view**

Figure 17.16 Model **metadata** GUI 4.4 MOTION **ADJUSTMENT VIEW** Similar to the ...

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Method for adjusting parameters for the presentation of multimedia objects

SA Kendall, TL Turner - US Patent App. 10/625,003, 2003 - Google Patents

... as media server 134 and a **streaming** media player ... guide listing such a media object, **metadata** present in ... these types of media content by **adjusting** the setting ...

[Related articles](#) - [All 4 versions](#)

Libraries as publishers of digital video

WD Kearns - Building a Virtual Library, 2003 - books.google.com

... bitrate and frame rate to **adjust** for the ... advances in intelligent processing of the video **stream** will allow for encoding more sophisticated **metadata** and interactive ...

[Related articles](#) - [All 2 versions](#)

Apparatus and method for performing image transforms in a digital display system

N Margulis - US Patent 6,456,340, 2002 - Google Patents

... the corners exhibit worse radial distortion than other display **areas**. ... may include a standard MPEG-2 **stream** as a base ... ratio would be if each **view** were captured ...

[Cited by 8](#) - [Related articles](#) - [All 4 versions](#)

Digital picture frame and method for editing

JS Walker, JA Jorasch, RP Sammon, SM ... - US Patent App. 10/639,090, 2003 - Google Patents

... Further, different users may modify a picture in different ways, so that two different users may **view** two different versions of the same picture. ...

[All 2 versions](#)

System and method for using bitstream information to process images for use in digital ...

N Margulis, C Fogg - US Patent 6,157,396, 2000 - Google Patents

... exhibit worse radial distortion than other display **areas**. ... so that each eye perceives a different **view**. ... the video streams, or an image key **meta data stream**. ...

[Cited by 11](#) - [Related articles](#) - [All 4 versions](#)

EBU/SMPTE joint task force for harmonised standards for the exchange of television ...

H Hoffmann - Broadcasting Convention, 1997. International, 1997 - [ieeexplore.ieee.org](#)

... profiles" which allow a degree of **adjustment** to those ... formats within the **Metadata** registry referred to above ... take place either as a continuous **stream** (as with ...

[BL Direct](#) - [All 4 versions](#)

DAVE: a system for quality driven adaptive video delivery

S Nepal, U Srinivasan - Proceedings of the 5th ACM SIGMM international ..., 2003 - [portal.acm.org](#)

... it is reasonable to expect users to **view** just the ... must encode original video into Microsoft **streaming** format (eg ... Ratio ar 0 = w 0 / h 0 Device **Aspect Ratio** ar d ...

[Cited by 14](#) - [Related articles](#) - [All 2 versions](#)

A 2-D MPEG-4 multimedia authoring tool

DW Viljoen, AP Calitz, NLO Cowley - Proceedings of the 2nd international conference on ..., 2003 - [portal.acm.org](#)

... at a lower level than BIFS providing **metadata** and define the ... mainly targets the DVD and video **streaming** market aiming ... to the scene the user may **adjust** its size ...

[Cited by 7](#) - [Related articles](#) - [All 2 versions](#)

[book] Streaming media: building and implementing a complete streaming system

GC Demetriades - 2003 - [books.google.com](#)

... Creating the Illusion of Dimension 19 **Adjusting** the Point ... Looking at the Future of Video **Metadata** 193 The ... 195 Synthesizing E-Commerce and **Streaming** 196 Legal ...

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Method for Performing Image Transforms in a Digital Display System

N Margulis - US Patent App. 10/039,346, 2001 - [Google Patents](#)

... the corners exhibit worse radial distortion than other display **areas**. ... may include a standard MPEG-2 **stream** as a base ... ratio would be if each **view** were captured ...

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N-view synthesis from monocular video of certain broadcast and stored mass media content

MS Lee, T Brodsky, D Weinshall, M Trajkovic - US Patent App. 09/851,445, 2001 - Google Patents
... supplied, for example, through MPEG **stream meta-data**, which could ... For each region, those **mask** pixels that correspond ... B', C', respectively, in the new **view**. ...

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A 2-D MPEG-4 multimedia authoring tool

DW Viljoen, AP Calitz, NLO Cowley - Proceedings of the 2nd international conference on ... , 2003 - portal.acm.org

... a lower level than BIFS providing **metadata** and define ... targets the DVD and video **streaming** market aiming ... then manipulate, scale, rotate, skew, **mask**, and animate ...

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N Margulis - US Patent 6,456,340, 2002 - Google Patents

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... the corners exhibit worse radial distortion than other display **areas**. ... may include a standard MPEG-2 **stream** as a base ... ratio would be if each **view** were captured ...

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[book] DTV handbook: the revolution in digital video

JC Whitaker - 2001 - books.google.com

... at the top of the receiver cabinet permitted **viewing**. ... faceplate together with a curved shadow **mask** mounted directly ... factor that affects the coverage **area** of a ...

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[book] Three-dimensional television, video and display technology

B Javidi, F Okano - 2002 - books.google.com

... XIV Contents 9 Information Flow in **Streaming** 3-D Video ... Pupil Size 445 18.4.2 Display **Area** of Stereoscopic ... 454 18.5.5 Relationship Between **Viewing** Distance and ...

[Cited by 134](#) - [Related articles](#) - [All 3 versions](#)

Imaging method and system

LB Herbert, KM Taxier, HJ Fink, A Casciano - US Patent App. 10/601,233, 2003 - Google Patents

... used in conjunction with digital cameras can **mask** the loss ... the digital image data comprises a **stream** of apparently ... can also be used to generate **metadata** M in ...

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Display device with automatic area of importance display

SJ Beck - US Patent App. 10/745,006, 2003 - Google Patents

... a liquid crystal display (LCD) as a **mask** to highlight ... the digital image data comprises a **stream** of apparently ... also be used to generate **metadata** in association ...

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[... for blurring portions of a verification image to show out of focus areas in a captured ...](#)

SM Belz, JE Adams, KA Parulski - US Patent App. 10/028,644, 2001 - Google Patents

[... using a liquid crystal display \(LCD\) as a mask to highlight ... display resolution to show out of focus areas in an ... 2a is a rear view of the camera embodiment of ...](#)

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[Photofinishing method](#)

JR Milch - US Patent App. 09/726,942, 2000 - Google Patents

[... for optically recording and recovering meta- data from photographic film ... component](#)

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... supplied, for example, through MPEG **stream meta-data**, which could ... For each region, those **mask** pixels that correspond ... B', C', respectively, in the new **view**. ...

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A 2-D MPEG-4 multimedia authoring tool

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Apparatus and method for performing image transforms in a digital display system

N Margulis - US Patent 6,456,340, 2002 - Google Patents

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... at the top of the receiver cabinet permitted **viewing**. ... faceplate together with a curved shadow **mask** mounted directly ... factor that affects the coverage **area** of a ...

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... for blurring portions of a verification image to show out of focus **areas** in a captured ..

SM Belz, JE Adams, KA Parulski - US Patent App. 10/028,644, 2001 - Google Patents

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Photofinishing method

JR Milch - US Patent App. 09/726,942, 2000 - Google Patents

... for optically recording and recovering **meta- data** from photographic film ... component 28 reformats the **stream** of image ... will reliably place the **metadata** inside the ...

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Automatic detection of **letterbox** and subtitles in **video**

V Markandey - US Patent 6,340,992, 2002 - Google Patents

... which is very common, is to **letterbox** the images ... **Letterboxing** occurs when the wide screen image is scaled down to ... Dark **video** lines are added above and below the ...

Cited by 3 - Related articles - All 2 versions

... conditions likely to cause prediction errors in reduced resolution **video** decoders and for ...

L Pearlstein, J Henderson, J Fuhrer - US Patent 6,061,400, 2000 - Google Patents

... 6,061,400 May 9, 2000 [54] METHODS AND APPARATUS FOR DETECTING SCENE CONDITIONS LIKELY TO CAUSE PREDICTION ERRORS IN REDUCED RESOLUTION **VIDEO** DECODERS AND FOR ...

Cited by 6 - Related articles - All 2 versions

... for decoding MPEG compliant **video** bitstreams meeting 2-frame and **letterboxing** ...

SP Varanasi, S Soman - US Patent 6,289,053, 2001 - Google Patents

... 11,2001 (54) ARCHITECTURE FOR DECODING MPEG COMPLIANT **VIDEO** BITSTREAMS MEETING 2-FRAME AND **LETTERBOXING** REQUIREMENTS (75) Inventors: Surya P. Varanasi, Tracy ...

Cited by 2 - Related articles - All 2 versions

Methods and apparatus for improving picture quality in reduced resolution **video** decoders

L Pearlstein, J Henderson, J Fuhrer... - US Patent 6,148,033, 2000 - Google Patents

... 14,2000 [54] METHODS AND APPARATUS FOR IMPROVING PICTURE QUALITY IN REDUCED RESOLUTION

VIDEO DECODERS [75] Inventors: Larry Pearlstein, Newtown, Pa.; John ...

Cited by 3 - Related articles - All 2 versions

Methods and apparatus for decoding different portions of a **video** image at different ...

L Pearlstein, J Henderson, J Fuhrer - US Patent 6,370,192, 2002 - Google Patents

... 9,2002 (54) METHODS AND APPARATUS FOR 5,398,079 A 3/1995 Liu DECODING DIFFERENT PORTIONS OF A 5,408,270 A 4/1995 Lim **VIDEO** IMAGE AT DIFFERENT 5,422,677 A 6 ...

Cited by 3 - Related articles - All 2 versions

Automatic **letterbox** detection

PD Filliman, NH Ersoz, TW Saeger, DJ ... - US Patent 5,486,871, 1996 - Google Patents

... A **video** control system, comprises a deflection system having a dimensionally adjustable raster, a circuit for detect- ing a **letterbox video** signal source and a ...

Cited by 9 - Related articles - All 7 versions

Letterbox filter apparatus and method

SC Gadre, T Ozcelik - US Patent 6,259,479, 2001 - Google Patents

... too much delay into the **video** processing function ... Often, **letterboxing** requires that image lines be stored in ... Other schemes create the **letterbox** image and write ...

Cited by 3 - Related articles - All 2 versions

... for use in decoding MPEG compliant **video** bitstreams meeting 2-frame and **letterboxing**

SP Varanasi, S Soman - US Patent 6,101,221, 2000 - Google Patents

... While the syntax for coding **video** information into a ... The **letterbox** format is longer

Cited by 1 - Related articles - All 2 versions

CS Tashiro - Film Quarterly, 1991 - jstor.org

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SP Varanasi, T Jing, S Soman - US Patent 6,236,681, 2001 - Google Patents

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[PDF] ► Copy protection for DVD video

JA Bloom, IJ Cox, T Kalker, JPMG Linnartz, ... - Proceedings of the IEEE, 1999 - Citeseer
... be held responsible for propagating these **metadata**, as they ... facility to geometrically alter the **video** in two ... **Letterbox** is a technique that changes the aspect ...

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Temporal video boundaries

N Dimitrova, L Agnihotri, R Jainschi - **Video Mining**, 2003 - books.google.com
... This level of detailed **metadata** can enable the user to ... distance between consecutive abrupt shot changes), • **letterbox** format, ie if the **video** material is ...

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Method for watermarking a video display based on viewing mode

AM Proehl - US Patent App. 10/636,851, 2003 - Google Patents
... watermark can be displayed in a **letterbox** area of ... the primary content data in the **video** stream ... of these variables can be controlled by **metadata** that includes ...

[Cited by 1](#) - [Related articles](#) - [All 4 versions](#)

Content analysis apparatus

JAD Nesvadba, F Snijder, M Barbieri - US Patent App. 10/477,493, 2003 - Google Patents
... to receive processing parameters from the **video** processor, said ... The **meta data** may contain information like whether the ... is in 4:3 or **letterbox** format, whether ...

[All 7 versions](#)

Videorecording cataloging: Problems and pointers

J Weitz - Cataloging & Classification Quarterly, 2002 - informaworld.com
... **Letterboxing** is a technique used in **video** publishing to ... **Letter-boxing**, also known as "widescreen" format, usually ... span fits onto the **video** screen, leaving ...

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Systems and methods for supplementing on-demand media

WL Thomas, MD Ellis, DM Berezowski, KB ... - US Patent App. 09/974,529, 2001 - Google Patents
... 8 of 28 US 2002/0042920 A1 410 \ USER INPUT DEVICE 370 \ 2QQ **VIDEO** AND DATA IN ... Content Along With Selected On-Demand Media (eg, Synchronous **Metadata**) 2215 YES ...

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Asset management system and asset management method

S Takagi, N Yanagita, K Abe - US Patent App. 10/009,152, 2002 - Google Patents
... manages **metadata** in a concentrated fashion along with the essence such as **video** and audio data. By a distributed programme editing system (10), the **meta- data** ...

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Video transcoder with bitstream look ahead for rate control and statistical multiplexing

A Wells, E Linzer - US Patent 6,310,915, 2001 - Google Patents
... Such **meta data** indicates various decisions previously made in ... portions/subregions thereof (eg, in **letter-boxing** areas of ... rate assigned to the **video** signal (eg ...

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[PDF] ► Video segmentation for post-production

C Wills - Proceedings of the SPIE Conference on Storage and ..., 2002 - dcs.gla.ac.uk
... often completely unstructured, without any **metadata** or audio ... Material broadcast in **letterbox** format presents problems for ... performs well on music **video** 6, which ...
[Cited by 2](#) - [Related articles](#) - [All 8 versions](#)

Video advertising

JJ Sie, JC Beyler, GR DePrez - US Patent App. 10/460,753, 2003 - Google Patents
... 12,2004 (54) **VIDEO ADVERTISING** (75) Inventors: John J. Sie, Englewood, CO (US);
John C. Beyler, Highlands Ranch, CO (US); Gregory R. DePrez, Highlands Ranch ...
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C Wills - Proceedings of the SPIE Conference on Storage and ..., 2002 - dcs.gla.ac.uk

... often completely unstructured, without any **metadata** or audio ... Material broadcast in **letterbox** format presents problems for ... performs well on music **video** 6, which ...

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[PDF] ► **Adaptive Graphics**

B Jung, J McKeown - Conference Proceedings XML Europe, 2002 - his.uvic.ca

... Collection times at **letterboxes**, ... normalising the remaining multimedia formats, ie audio and **video**? ... involved in creating the necessary **metadata** outweigh the ...

Cited by 4 - Related articles - View as HTML - All 7 versions

Enhanced television services for digital video recording and playback

JA Schrader, JD Crawford, TB San Jule, AP ... - US Patent App. 10/052,111, 2002 - Google Patents

... 522 CHANNEL 514 MASS STORAGE INTERFACE 540 DVR 530 SYSTEM BUS USER INPUT INTERFACE 524 528 — OTHER PROGRAM MODULES 546 **VIDEO** DATA 550 ... 16b **Meta-data** Directory ...

All 6 versions

Targeted advertising in on demand programming

C Eldering, JA Schlack, MA Plotnick, RF ... - US Patent App. 10/068,771, 2002 - Google Patents
... 7/173 (52) US CI 725/34; 725/35; 725/46; 725/87 (57) ABSTRACT Selecting targeted advertisements to be presented to sub- sscribers along with selected **video** in a ...

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[book] Digital Rights Management and Content Development/Edited by Bill Cope and Robin ...

B Cope, R Freeman - 2001 - books.google.com

... all centred around digital creation and dissemination, technologies which make it so much easier to copy and circulate text, audio, images and **video**. ...

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[Interactive maps for a digital video library- ► cmu.edu \[PDF\]](#)

MG Christel, AM Olligschlaeger, C Huang - IEEE Multimedia, 2000 - [ieeexplore.ieee.org](#)

... The text **meta- data** associates text with **video** times and is then ... Digitized, compressed audio and **video** ... Location **metadata** (latitude/longitude, **video** start/end) ...

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[\[PDF\] ► A multi-view intelligent editor for digital video libraries](#)

BA Myers, JP Casares, S Stevens, L Dabbish, ... - Proceedings of the ACM/IEEE Joint Conference on ..., 2001 - [cs.cmu.edu](#)

... The **meta- data** includes shot boundaries and a time-synchronized ... by Informedia to supply the **metadata** that Silver ... the selected portion of the **video**, Silver uses ...

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[\[book\] Three-dimensional television, video and display technology](#)

B Javidi, F Okano - 2002 - [books.google.com](#)

... **Video** technology, as it continues to advance, is increasingly ... Projection Display 89 3.7.2 **Adjustment** for the ... 3.8 Discussion 92 3.8.1 **Viewing Area** of Maxwellian ...

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[Simplifying video editing using metadata- ► psu.edu \[PDF\]](#)

J Casares, AC Long, BA Myers, R Bhatnagar, ... - Proceedings of the 4th conference on Designing ..., 2002 - [portal.acm.org](#)

... signifi- cantly improves on this idea by using **meta- data**. ... tedium of editing **video** by using **metadata** to provide ... may **adjust** the audio or **video** boundaries based ...

[Cited by 34](#) - [Related articles](#) - [All 11 versions](#)

[\[PDF\] ► Near Real Time Video Mosaicking with RAVEN View](#)

T Jamison, A Pope, C Davis - Proc. ASPRS, Apr, 2000 - [gis.usu.edu](#)

... **video** mosaics when the **video** is accompanied by **metadata**. ... edge effects found in many **video** cameras, causing ... mosaic is tonally balanced by **adjusting** the pixel ...

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[Autonomous video registration using sensor model parameter adjustments- ► ucf.edu \[PDF\]](#)

RW Cannata, M Shah, S Blask, JA Van ... - Applied Imagery Pattern Recognition Workshop (AIPR), 2000 - [doi.ieeecomputersociety.org](#)

... In the present context, **metadata** ("telemetry data"), describ- ing ... using a Kalman filter to **adjust** the images. ... the effect of using multiple **video** frames in ...

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[Method and apparatus for automatically converting source video into electronic mail ...](#)

L Begeja, DC Gibbon, Z Liu, RE Markowitz, ... - US Patent App. 10/325,830, 2002 - Google Patents

... scene change, audio analysis, compression) I **Meta Data** DB ... a search of titles or other **metadata** to identify ... labor associated with delivery of **video** content to a ...

[All 2 versions](#)

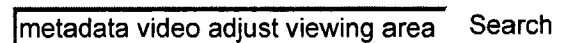
[User interface and method for interacting with a three-dimensional graphical environment](#)

NLA Chang - US Patent App. 10/021,648, 2001 - Google Patents

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[book] Three-dimensional television, video and display technology

B Javidi, F Okano - 2002 - books.google.com

... Video technology, as it continues to advance, is increasingly ... Projection Display
89 3.7.2 **Adjustment** for the ... 3.8 Discussion 92 3.8.1 **Viewing Area** of Maxwellian ...

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A process-independent, 800-MB/s, DRAM byte-wide interface featuring command ... -

► seu.edu.cn [PDF]

... G Tsang, M Ching, CL Portmann, R Inc, M **View** - IEEE Journal of Solid-State Circuits, 1998 -
ieeexplore.ieee.org

... the process detector are used to **adjust** output slew ... This **meta-data**- base construction
is scalable in small ... Sunnyvale, CA, where he designed **video** decoders and ...

Cited by 18 - Related articles - BL Direct - All 5 versions

Video and digital multimedia aggregator content coding and formatting

WD Swart, JS Mccoskey, ML Asmussen - US Patent App. 09/973,067, 2001 - Google Patents

... of auxiliary services, and other **metadata** elements that ... may not be available in a
specific **viewing area**. ... include audio programming, streaming **video**, local or ...

All 7 versions

[book] DTV handbook: the revolution in digital video

JC Whitaker - 2001 - books.google.com

... broadcast satellite television • Personal computers • **Video**-on-demand ... top of the
receiver cabinet permitted **viewing**. ... that affects the coverage **area** of a TV ...

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System and method for using bitstream information to process images for use in digital ...

N Margulis, C Fogg - US Patent 6,157,396, 2000 - Google Patents

... to wear red and green glasses so that each eye perceives a different **view**. ... cues on
how to best interpret the **video** streams, or an image key **meta data** stream ...

Cited by 11 - Related articles - All 4 versions

[book] Digital video camerawork

P Ward - 2000 - books.google.com

... The amount of signal **adjust**- ment that occurs in ... compensation can be built into the
video signal to ... 102), but other factors affecting **viewing** conditions are ...

Cited by 5 - Related articles - All 3 versions

Apparatus and method for performing image transforms in a digital display system

N Margulis - US Patent 6,456,340, 2002 - Google Patents

... Experts Group (MPEG) can compact **video** 50 data ... exhibit worse radial distortion than
other display **areas**. ... including a display device for **viewing** image, and a ...

Cited by 8 - Related articles - All 4 versions

[PDF] ► Experiments with delivery of HDTV over IP networks

C Perkins, L Gharai, T Lehman, A Mankin - Proceedings of the 12th International Packet **Video** ..., 2002 - isi.edu

... **Adjusting** these parameters does not appear to significantly affect ... payload format

for uncompressed **video**, better preserving frame **metadata** should be ...

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[Indexing, browsing, and searching of digital **video** and digital audio information-](#) ► [psu.edu](#)

[PDF]

AF Smeaton - Lecture Notes in Computer Science, 2001 - Springer

... we developed a method of dynamically **adjusting** the threshold ... must be complimented by using programme **metadata** such as ... to stream MPEG-1 quality **video** to mobile ...

[Cited by 19](#) - [Related articles](#) - [BL Direct](#) - [All 10 versions](#)

[Image and **video** coding—Emerging standards and beyond-](#) ► [rutgers.edu](#) [PDF]

BG Haskell, PG Howard, YA LeCun, A Puri, J ... - Readings in multimedia computing and networking, 2001 - books.google.com

... of which is taken up by I/O. When **viewing** less than ... Coding of multimedia **Metadata**, ie, data ... **Video** coding using MPEG-2 for advanced HDTV (high definition TV ...

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[book] Three-dimensional television, video and display technology

B Javidi, F Okano - 2002 - books.google.com

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N-view synthesis from monocular video of certain broadcast and stored mass media content

MS Lee, T Brodsky, D Weinshall, M Trajkovic - US Patent App. 09/851,445, 2001 - Google Patents

... possible to test whether the input **video** is from ... for example, through MPEG stream **meta-data**, which could ... For each region, those **mask** pixels that correspond to ...

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... G Tsang, M Ching, CL Portmann, R Inc, M **View** - IEEE Journal of Solid-State Circuits, 1998 - [ieeexplore.ieee.org](#)

... a particular process, remapping logic **masks** out this ... This **meta-data**- base construction is scalable in small ... Sunnyvale, CA, where he designed **video** decoders and ...

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[book] DTV handbook: the revolution in digital video

JC Whitaker - 2001 - books.google.com

... satellite television • Personal computers • **Video-on-demand** ... the top of the receiver cabinet permitted **viewing**. ... with a curved shadow **mask** mounted directly ...

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Searching and editing MPEG-compressed video in a distributed online environment

HJ Meng, D Zhong, SF Chang - Multimedia Systems, 1999 - Springer

... which will be refined by some **metadata** about the ... For each **video** shot we further detected the moving ... Features such as macroblock map, **area**, centroid, and DCT DC ...

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BG Haskell, PG Howard, YA LeCun, A Puri, J ... - Readings in multimedia computing and networking, 2001 - books.google.com

... photo images, MPEG-7 for multimedia **metadata**, and possible new ... The **mask** image can be encoded using JBIG2. ... 94 CHAPTER 2 Digital Image and **Video** Compression and ...

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A method for extracting video objects from a video clip

S Chang, W Chen, HJ Meng, H Sundaram, DI ... - EP Patent 1,237,374, 2002 - [freepatentsonline.com](#)

... computer 110 includes a database 111 storing **metadata** for **video** ... The edge map is a binary **mask** where edge ... object trajectory defined by the normalized **video** clip ...

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[book] **Digital video camerawork**

P Ward - 2000 - books.google.com

... of the display screen and its **viewing** distance will ... shadow **mask**, aperture grill or slot-**mask** (illustrated above ... NB: a **video** monitor refers to a visual display ...


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MPEG-7 Videotext description scheme for superimposed text in images and video

N Dimitrova, L Agnihotri, C Dorai, R Bolle - Signal Processing: Image Communication, 2000 - Elsevier

... pro- gram itself, as it is unrelated to the program in **view**. ... and black, which are predominantly used for text in **video**. ... edges are enhanced using a 3;3 **mask** [13 ...

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... scaling to match the resolution and **aspect ratio** to the ... a digital imaging LCD or to the **display system**. ... Pictures Experts Group (MPEG) can compact **video** 50 data ...

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... possible to test whether the input **video** is from ... for example, through MPEG stream **meta-data**, which could ... For each region, those **mask** pixels that correspond to ...

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HJ Meng, D Zhong, SF Chang - Multimedia Systems, 1999 - Springer

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... The screen may be one of three designs, shadow **mask**, aperture grill or slot-**mask** (illustrated above ... NB: a **video** monitor refers to a visual **display** fed with a ...

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[book] Video database systems: issues, products, and applications

AK Elmagarmid - 1997 - books.google.com

... systems that are being conceived. Another critical **area** that needs **video** database technology is telemedicine. It is well known that ...

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MPEG-7 Videotext description scheme for superimposed text in images and video

N Dimitrova, L Agnihotri, C Dorai, R Bolle - Signal Processing: Image Communication, 2000 - Elsevier

... where there is a 'ticker-likea graphic **display** at the ... yellow and black, which are predominantly used for text in **video**. ... edges are enhanced using a 3;3 **mask** [13 ...


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[book] The art of digital video

J Watkinson - 2000 - books.google.com

... signal formats were essentially deter- mined by requirements of the cathode ray tube as a **display**, so that ... 2 The Art of Digital **Video** across the United States. ...

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Masking for presenting differing display formats for media streams ...

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Bookmarks and watchpoints for selection and presentation of media ...

15, 2003, in the name of Paul RECHSTEINER, Shawn NEELY, Lawrence KESTELOOT, Daniel COLLENS [0145] "Automatic Masking" (Revision 5, 2003 - 08 - 07). ...
www.freepatentsonline.com/y2004/0139047.html - [Similar](#)
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Displaying and presenting multiple media streams from multiple DVD ...

Rechsteiner, Paul (Toronto, CA) Malcolm, Michael A. (Aspen, CO, US) 15, 2003, itself including a document titled "Automatic Masking". ...
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St. Paul, MN. William A. Rutala, PhD, MPH, CIC. William E. Scheckler, MD patient's room, staff members do not have to mask prior to entry into the anteroom if
Rechsteiner J, Landheer JE, de Jong J, van Kregten E, Lindner JG. Reichert M.
Automatic washers/disinfectors for flexible endoscopes. ...
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The four single from this album were "Everything Is **Automatic**", "Apparitions", Vince also was heard referring to Triple H by his real name (**Paul**). ...
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Adobe After Effects Forum

Re: Humor me about particals by **Paul** Miller on Mar 30, 2002 at 2:25:24 pm Re: **masking** question by Barend Onneweer on Mar 25, 2002 at 2:24:10 pm ...
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Ralf Bartl, Xiril AG; Co-Author: Thomas **Rechsteiner**, Biotecton The **Paul** Scherrer Institut (PSI) of Ion Beam Physics is driving the AMS ATI Industrial Automation is a leading world developer of **Automatic** Tool Changers, **Mask** welding method allows for accurate joining of the polymers while ...

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... pixels on a video monitor having a different display aspect ratio than the pixel aspect ratio

A Fujimoto - US Patent 5,912,710, 1999 - Google Patents

... a monitor of 16:9 Graphics (**display aspect ratio** = 16 9 ... Interface Memory controller Main memory 13 **Mask** PCI IF ... 155 r- MEM Graphics/ controller **video** mfare RGB ...

Cited by 17 - Related articles - All 2 versions

Television system with variable aspect picture ratio

YC Faroudja - US Patent 4,951,149, 1990 - Google Patents

... **mask** and cabinet surrounding the **display** surface ... 25, 1988, entitled "Improved Film-to-**Video** Converter With Scan ... 12 are above and below the active **display area**. ...

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... signals of either standard or wide aspect ratios displayed on a wide aspect ratio display

S Tsuchida - US Patent 5,146,331, 1992 - Google Patents

... shows a display TM in the side **mask** mode justment ... top and bottom cut mode from a **video** signal of ... 7. An image **display** device according to claim 1, wherein ...

Cited by 5 - Related articles - All 2 versions

Video display apparatus for pictures with different aspect ratios

E Yamazaki - US Patent 5,193,006, 1993 - Google Patents

... 1987 shows a technique in which a **mask** plate 65 FIG. ... is stored temporarily in memory, only the **video** signal (say ... near the end of the picture **display area** on the ...

Cited by 4 - Related articles - All 4 versions

... subject to different aspect ratio displays by operating unused display portions at brightness ...

GK Srivastava - US Patent 5,291,295, 1994 - Google Patents

... multiplexer 26 which, in with a movable curtain or **mask**. ... levels of the edges of the 4:3 AR **video display**. ... edges of the 40 4:3 **aspect ratio display** 46, they are ...

Cited by 4 - Related articles - All 2 versions

Computer based display system allowing mixing and windowing of graphics and video

AP Marlton, DA Fielder, VG Halstead, TR ... - US Patent 5,594,467, 1997 - Google Patents

... [57] ABSTRACT Re. 32,201 4,282,546 4,317,114 A computer based **video/graphics display** system includes a computer system having a graphics generator. ...

Cited by 16 - Related articles - All 2 versions

Apparatus for processing video signals having different aspect ratios

T Kobayashi, H Takimoto, T Hori, H Fukuoka, ... - US Patent 5,347,318, 1994 - Google Patents

... circuit 148 or an output of the **mask** Referring to ... to the distances operation unit

154 to **display** selectable modes ... The central **area** of the **video** image with the ...

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[PDF] ► Developing tiled projection **display systems**

M Hereld, IR Judson, J Paris, RL Stevens - ... of Fourth Immersive Projection Technology Workshop, 2000 - www-new.mcs.anl.gov

... experimented with falloff compensation using alpha **masks** computed to ... on an unmodified low cost **video** camera. ... The ActiveMural **display area** is 16 feet wide and 8 ...

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Flexible upconversion for high quality TV and multimedia displays

N Seth-Smith, G Walker - Consumer Electronics, 1996. Digest of Technical ..., 1996 - ieeexplore.ieee.org

... rate on the already congested write side of the **Video** RAM. ... to present the **display** device with the right number of lines for optimum ... In the case of a slot **mask** ...

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Display system with switchable aspect ratio

EN Linzer - US Patent 5,638,130, 1997 - Google Patents

... screen **area** is used to **display** all or part of the ... or cable) or ac P1 stored on a **video** tape, it ... **aspect ratio** using either the pan-scan or **letterbox** method ju ...

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16:9 aspect ratio conversion by letterbox method for an MPEG image

B Vuong, C Anderson - US Patent 6,115,072, 2000 - Google Patents

... B-pictures), the 16:9 **letter box** mode can ... apparatus for converting a digital **video** image to ... and **display** time incurred with **letterbox aspect ratio** con- versions ...

[Cited by 7](#) - [Related articles](#) - [All 4 versions](#)

A flexible display module for DVD and set-top box applications

R Li, NK Chung, KT Mo, DM Fisher, V Wong - IEEE Transactions on Consumer Electronics, 1997 - ieeexplore.ieee.org

... but at the cost of silicon **area** (2M+NL ... cess is required to load the **video** data from ... filtering coeffi- cients for interlaced format **letter-box display**, top field ...

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... multiple aspect ratio video signals from motion picture disk recorded in a single aspect ratio

CJ Cookson, LS Ostrover, WN Lieberfarb... - US Patent 5,400,077, 1995 - Google Patents

... VERSION B BIT RATED "R" ABORT NO **VIDEO** NO PRESENT ... YES SELECT CHAPTER **DISPLAY** LANGUAGE

NO **DISPLAY** CHOICES: • CENTER CUT • **LETTER BOX** SELECT **DISPLAY** ...

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Aspect ratio control for picture overlays

NH Ersoz, TW Saeger - US Patent 5,313,303, 1994 - Google Patents

... A multiplexer combines the **video** signals for si- multaneous **display**. ... with the **display** for the other **video** signal. ... X g G: co X CO X C3 \ 16X9 **LETTERBOX** ON 4X3 ...

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Multiple display formats for letterbox signal

E Rodriguez-Cavazos, G Gleim, J Chauvin - US Patent 5,136,398, 1992 - Google Patents

... This special **display** format is often referred to as the ... A **letterbox** signal can be thought of as having an ... smaller than that of a conventional **video** signal. ...

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Managing letterbox displays

GA Kranawetter, TW Saeger, DH Willis - US Patent 5,249,049, 1993 - Google Patents

... **display** the input **video** signal in the maxi- live **video** is detected ... **display area**, or with maximum vertical text for **display** in the **letterbox** borders of the ...

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Real-time decoding and display of structured video

VM Bove Jr, BD Granger, JA Watlington - Multimedia Computing and Systems, 1994., Proceedings ..., 1994 -

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... Allowing the creator of the **video** sequence to ... tradeoffs ("pan-and-scan" versus "**letterboxing**") necessary to compensate for source-to- **display** mismatch ...

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Automatic **letterbox** detection

PD Filliman, NH Ersoz, TW Saeger, DJ ... - US Patent 5,486,871, 1996 - Google Patents

... 5,486,871 AUTOMATIC **LETTERBOX** DETECTION The invention relates ... picture displays for asynchronous **video** signals, and ... televisions having a wide **display** 5 format ...

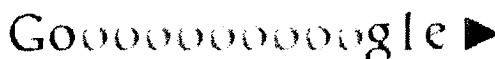
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Automatic detection of **letterbox** and subtitles in **video**

V Markandey - US Patent 6,340,992, 2002 - Google Patents

... and below the 16:9 image 302 **video** lines have ... change between the image and the **letterbox** border. ... which use only intensity may falsely detect **letterboxing** in non ...

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Current Version Published: 2002-08-06

Abstract

This paper presents a flexible, multi-mode display module for DVD and set-top box (STB) display module features: (1) vertical/horizontal post processing for chroma upsampling and (2) aspect ratio conversion for displaying 16:9 or 4:3 decoded pictures on either 16:9 or 4:3 programmable, window based display with half or double window resizing; (4) sub-picture overlay. All these functions are supported for both interlaced and progressive picture form as NTSC systems

Index Terms

Inspe

Controlled Indexing

[digital television](#) [image colour analysis](#) [image sampling](#) [telecommunication sta](#)
[television receivers](#) [television standards](#) [video signal processing](#)

Non-controlled Indexing

[16:9 decoded pictures](#) [4:3 decoded pictures](#) [DVD](#) [NTSC](#) [OSD overlay](#) [PAL](#)
[conversion](#) [chroma upsampling](#) [flexible multi-mode display module](#) [interlaced](#)
[picture form](#) [progressive picture formats](#) [rate conversions](#) [set-top box applicati](#)
[picture mixing](#) [user programmable window based display](#) [vertical/horizontal pos](#)
[processing](#) [window resizing](#)

Author Keywords

Not Available

Medical Subject Heading (MeSH Terms)

Not Available

PACS Codes

Not Available

DOE Thesaurus Terms

Not Available

References

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B. G. Haskell, A. Puri, and A. N. Netravali, *Digital video: an introduction to MPEG-2*, N
International Thomson Publishing, 1996.

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Google scholar video black bar vertical horizontal display area 1990 -

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Television system with variable aspect picture ratio

YC Faroudja - US Patent 4,951,149, 1990 - Google Patents

... 1988, entitled "Improved Film-to-Video Converter With ... scan deflections so that the **black bars** 14 and ... will operate with **horizontal** and **vertical** deflection gains ...

Cited by 8 - Related articles - All 2 versions

Aspect ratio control for picture overlays

NH Ersoz, TW Saeger - US Patent 5,313,303, 1994 - Google Patents

... 5,313,303 May 17, 1994 [54] **ASPECT RATIO CONTROL FOR** ... circuit supplies information from the **video** memory synchronously with a **display** for an ...

Cited by 21 - Related articles - All 6 versions

Method for masking picture reinforcement signals carried within the vertical interval

YC Faroudja - US Patent 4,959,717, 1990 - Google Patents

... not been coherent with the **video** information, the ... of the picture, and any **vertical** interval informa ... becomes visible within the **black horizontal bar** typically at ...

Cited by 11 - Related articles - All 4 versions

Wireless remote control and zoom system for a video display apparatus

K Heberle - US Patent 5,302,968, 1994 - Google Patents

... line by the zoom circuit shown in **bar** is either ... to use the click the original digitized **video** signal Vd. ... include picture-in-picture there are **black stripes** at ...

Cited by 10 - Related articles - All 2 versions

Wide-screen TV signal transmission apparatus

Y Yasumoto, S Kageyama, S Inoue, H ... - US Patent 5,442,403, 1995 - Google Patents

... using quadrature modulation of the **video** carrier ... the conven- tional receiver although **black bars** appear both ... Using these **black** parts, we can transmit additional ...

Cited by 6 - Related articles - All 4 versions

... assist conversion of a letterbox standard aspect ratio television signal to a wide aspect ratio

E Geiger, HJ Platte, M Plantholt, D ... - US Patent 5,268,751, 1993 - Google Patents

... Broadcasting World" by Y. Ono, Better **Video** Images, 23rd ... region (ie, be- tween synchronization and **black** level ... re- ceiver the additional signal in **bar** regions 31 ...

Cited by 3 - Related articles - All 2 versions

[PDF] ► Display characteristics and the impact on usability for stereo

JW Roberts, OT Slattery - PROC SPIE INT SOC OPT ENG, 2000 - Citeseer

... appear coarser or blockier with color **bar** pixel configuration ... The digital **video** formats have a fixed set of ... Grayscales (referring to both **black**-and-white and ...

Cited by 11 - Related articles - All 8 versions

Television signal scan conversion system with reduced noise sensitivity

SD Casavant, SS Perlman - US Patent 5,225,907, 1993 - Google Patents

... The information conveyed to the **video** pro- cesssor is ... and level shifted in a **black** image direction to ... helper signal information from the **bar** regions into the ...

[Cited by 5](#) - [Related articles](#) - [All 2 versions](#)

Method and apparatus for automatic aspect format detection in digital **video** pictures

S Weitbruch - US Patent 6,366,706, 2002 - Google Patents

... Reference number 12 denotes a **horizontal** transition on the whole picture width. ... No **black bars** will appear in this case in the **video** picture displayed on a ...

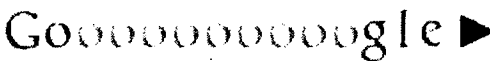

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Television signal scan conversion system with motion adaptive processing

SD Casavant, SS Perlman - US Patent 5,235,417, 1993 - Google Patents

... repeated information is conveyed to the **video** proces- format ... The fraction shifted in a **black** image direction to ... and sampled and mapped into one **bar** line at the ...

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[\[book\]](#) [Three-dimensional television, video and display technology](#)

B Javidi, F Okano - 2002 - books.google.com

... of Digital Holograms for Three-Dimensional **Video** TJ Naughton ... XVII 16.8 Seeing Depth with **Black** and White ... of Pupil Size 445 18.4.2 **Display Area** of Stereoscopic ...

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[\[book\]](#) [The art of digital video](#)

J Watkinson - 2000 - books.google.com

... 2.3 Scanning 40 2.4 Synchronizing 42 2.5 **Black-level** clamping ... Introducing digital **video** 5 t \ C \ f V (; a ... efficient if the **horizontal** and **vertical** spacing are ...

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[MPEG-7 Videotext description scheme for superimposed text in images and video](#)

N Dimitrova, L Agnihotri, C Dorai, R Bolle - Signal Processing: Image Communication, 2000 - Elsevier

... dilereentiate the colors white, yellow and **black**, which are predominantly used for text in **video**. ... Three counters are used for three **vertical** portions of the ...

[Cited by 8](#) - [Related articles](#) - [All 5 versions](#)

[\[book\]](#) [Digital video camerawork](#)

P Ward - 2000 - books.google.com

... A **video** camera requires a mechanism to scan a ... for those viewers watching on **black** and white ... scanning principle - **Horizontal** flyback - **Vertical** flyback The ...

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[\[book\]](#) [An introduction to digital video](#)

J Watkinson - 2001 - books.google.com

... most efficient if the **horizontal** and **vertical** spacing are ... 6 An Introduction to Digital **Video** What is binary? ... is not subject to misinterpretation **Black** White In ...

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[\[book\]](#) [DTV handbook: the revolution in digital video](#)

JC Whitaker - 2001 - books.google.com

... satellite television • Personal computers • **Video-on-demand** ... which would also receive **black** and white ... was changed slightly, thus the **vertical** frequency was ...

[Cited by 16](#) - [Related articles](#) - [All 2 versions](#)

[\[book\]](#) [Basic betacam camerawork](#)

P Ward - 2001 - books.google.com

... FILTERS 54 WHITE BALANCE 56 **BLACK** BALANCE 58 ... the subjective choices available in **video** acquisition. ... **Horizontal** deflection of scanning beam **Vertical** flyback The ...

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[Videometric applications in wind tunnels](#)

AW Burner, RH Radeztsky, T Liu - 1997 - portal.acm.org

... The **video** system viewed a **black/white** edge mounted on the indexing table, while the Optotrak® system viewed a mounted **bar** containing LED's. ...

[Cited by 17](#) - [Related articles](#) - [All 7 versions](#)

System and process for creating an interactive presentation employing multi-media ...

J Deutscher, S Gogia - US Patent App. 10/183,830, 2002 - Google Patents

... AI ^rv -| SPEAKERS ^-197 i N REMOTE COMPUTER -| PRINTER IDE **AREA** NETWORK CO CAMERA
P LOCAL **AREA** I NETWORK ... i n u i LU o e n n i CD J u o n **VIDEO** INTERFACE / f t ...


[All 4 versions](#)

User selectable earth imagery on-line e-commerce and fulfillment system

C Freedenberg, JJ Wasilewski, DA Parkes - US Patent App. 09/934,037, 2001 - Google Patents

... is constrained to a fixed **horizontal to vertical aspect ratio**. ... imagery, imagery derived
information or **video** clips ... **black** and white, and the level of processing ...

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[BOOK] Three-dimensional television, video and display technology

B Javidi, F Okano - 2002 - books.google.com

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Speech-based information retrieval for digital libraries- ► [psu.edu](#) [PDF]

DW Oard - 1997 - aaai.org

... pattern is intended for use with a **black** background. ... A slider **bar** should be provided to allow users to ... **Video** scene analysis can provide additional cues for the ...

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[BOOK] The art of digital video

J Watkinson - 2000 - books.google.com

... 2.3 Scanning 40 2.4 Synchronizing 42 2.5 **Black**-level clamping ... Introducing digital **video** 5 t \ C \ f V (; a ... efficient if the **horizontal** and **vertical** spacing are ...

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[PDF] ► Data Entry and Administrative Tools for a Video-on-Demand Metadata Database

DR Bacher - Master's Report, University of California, Berkeley, 1996 - bmrc.berkeley.edu

... and the current position marked as a **vertical black** line. ... the **video** stream, scanning through the **video** in order ... The control **bar** located below the **video display** ...

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Transport stream packet map display

MT Corl, CG Thomas, PH Caputo, DA ... - US Patent App. 09/832,105, 2001 - Google Patents

... different types of transport packets: audio, **video**, data, PSIP ... A button for which half is **black** indicates that ... In a normal **display**, this **bar** repeatedly "sweeps ...

[All 4 versions](#)

Visual digests for news video libraries- ► [cmu.edu](#) [PDF]

MG Christel - Proceedings of the seventh ACM international ..., 1999 - portal.acm.org

... page through and scan hundreds of result relevance **bars**. ... on co-occurrences of **black** frames, numerous ... audio characteristics [S]. Future **video** segmentation would ...

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Apparatus and method for creation of a user definable video displayed document showing ...

JS Risberg, MD Skeen - US Patent 5,339,392, 1994 - Google Patents

... FOR CREATION OF A USER DEFINABLE **VIDEO** DISPLAYED DOCUMENT ... several real time data values, **bar** graphs of ... Cancel) (OK } • **Horizontal** O **Vertical** **Black** White Red ...

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[PDF] ► A Tcl/Tk-based video annotation engine

M Carrer, L Ligresti, TDC Little - Proceedings of the 5th conference on Annual Tcl/Tk ..., 1997 - Citeseer

... It will be highlighted by changing its color to **black**. ... Figure 5: Annotation Window for the Whole **Video**. ... pointed element are updated in the **bar** in real time. ...

Cited by 4 - [Related articles](#) - [View as HTML](#) - [All 6 versions](#)

VIMS: a video information management system

JCM Lee, Q Li, W Xiong - Multimedia Tools and Applications, 1997 - Springer

... been conducted on both color and **black/white video**. ... through CCM) to extract all images containing two **vertical bars**. ... has been applied to the **video** tape, "94 ...[Cited by 19](#) - [Related articles](#) - [BL Direct](#) - [All 5 versions](#)**Generation, archiving, and retrieval of digital images with evoked suggestion-set captions ...**

A Balogh, H Blejer, E Chen, S Flank, C ... - US Patent 5,493,677, 1996 - Google Patents

... G06F 15/403 Primary Examiner—Thomas G. **Black** Assistant Examiner—Paul R. Lintz ... captions and other data, collectively known as the **metadata** associated with ...[Cited by 54](#) - [Related articles](#) - [All 2 versions](#)

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[BOOK] **Three-dimensional television, video and display technology**

B Javidi, F Okano - 2002 - books.google.com

... the Effect of Pupil Size 445 18.4.2 **Display Area** of Stereoscopic ... Array **Display Method** 465 19.3.2 Cylindrical **Display System** 469 19.4 **Video Image Capture** ...

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DR Bacher - Master's Report, University of California, Berkeley, 1996 - bmrc.berkeley.edu

... when a user has modied it in the **display area**. ... Modications to the **metadata** can be stored to the ... The control bar located below the **video display** provides the ...

Cited by 2 - Related articles - View as HTML - All 18 versions

Simplifying video editing using metadata- ► psu.edu [PDF]

J Casares, AC Long, BA Myers, R Bhatnagar, ... - Proceedings of the 4th conference on Designing ..., 2002 - portal.acm.org

... Clips in this **area** are not part of the composition, but are easily available, which is ... It can **display** different tracks, including multiple **video** ...

Cited by 34 - Related articles - All 11 versions

[PDF] ► **Adapting multimedia internet content for universal access**

R Mohan, JR Smith, CS Li - IEEE Transactions on Multimedia, 1999 - Citeseer

... items may not have fixed width and height, but **display area** may be ... 12 6. Hardware requirements, such as **display** for images, support for audio and **video**. ...

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[PDF] ► **Display Utility for Viewing Extracted Surveillance Metadata from a Watermarked MPEG**

...

D Cinalli - 2002 - vview.villanova.edu

... by simultaneously displaying the correct **metadata** in time with the displaying **video**.

In order to synchronously **display** the correct **metadata** with the ...

Related articles - View as HTML

Transport stream packet map display

MT Cori, CG Thomas, PH Caputo, DA ... - US Patent App. 09/832,105, 2001 - Google Patents

... EPG) support (another type of **metadata**) can include ... be called when the block **area** ** needs to ... DTV) diagnostic instrument comprising: a **video display device** (VDD ...

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Apparatus and method for creation of a user definable video displayed document showing

JS Risberg, MD Skeen - US Patent 5,339,392, 1994 - Google Patents

... FOR CREATION OF A USER DEFINABLE **VIDEO DISPLAYED DOCUMENT** ... **Metadata** and style maps are used to offload some ... ACTIVE OBJECT TO RENDER UPDATED **DISPLAY OBJECT** 120 ...

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[PDF] ► **Spheres of Influence**

A Black, T Kuo, M Peljhan, M Quinn, B ... - Environmental Health Perspectives, 2001 - ilab.cs.ucsb.edu

... number, x and y positions, **area**, and average ... graphics architecture is implemented

to **display** a single ... blue marble satellite photography and **video** news segments ...

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DW Oard - 1997 - aaai.org

... **Video** scene analysis can provide additional cues for the detection of ... **Metadata Display**

The third major **display area** will contain data about the information ...

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Facilitating video access by visualizing automatic analysis- ► [psu.edu](#) [PDF]

A Girgensohn, J Boreczky, L Wilcox, J Foote - Human-computer Interaction, INTERACT'99: IFIP TC. ..., 1999 - books.google.com

... is helpful for several reasons: in an **area** of large ... in red at the top of the confidence score **display**. ... Study An initial version of the **video** database system ...

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B Javidi, F Okano - 2002 - books.google.com

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Transport stream packet map display

MT Corl, CG Thomas, PH Caputo, DA ... - US Patent App. 09/832,105, 2001 - Google Patents

... Picture and Television Engineers (SMPTE) 310M-1998 **format**. ... called when the block **area** ** needs to ... diagnostic instrument comprising: a **video display device** (VDD ...

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[BOOK] The art of digital video

J Watkinson - 2000 - books.google.com

... 11.21 DVC and DVC PRO 629 11.22 The D-9 **format** 640 References ... of the cathode ray tube as a **display**, so that ... Introducing digital **video** 5 t \ C \ f V (; a ; ; f t ...

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[PDF] ► A Tcl/Tk-based video annotation engine

M Carrer, L Ligresti, TDC Little - Proceedings of the 5th conference on Annual Tcl/Tk ..., 1997 - Citeseer

... does not allow a global view, the working **area** can be ... Figure 5: Annotation Window for the Whole **Video**. ... rich the tool also provides a **display** the attributes of ...

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DR Bacher - Master's Report, University of California, Berkeley, 1996 - bmrc.berkeley.edu

... when a user has modied it in the **display area**. ... an overview of the **video** in a **format** designed to ... The control **bar** located below the **video display** provides the ...

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Visual digests for news video libraries- ► cmu.edu [PDF]

MG Christel - Proceedings of the seventh ACM international ..., 1999 - portal.acm.org

... By dragging the **area** shown beneath the arrow mouse ... shown in Figure 7. This particular **display** of the ... Consider a **video** segment about orangutans that ends with ...

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JS Risberg, MD Skeen - US Patent 5,339,392, 1994 - Google Patents

... FOR CREATION OF A USER DEFINABLE **VIDEO DISPLAYED DOCUMENT** ... of the work of specifying the **format** of the ... PARENT ACTIVE OBJECT TO RENDER UPDATED **DISPLAY OBJECT** 120 ...

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[PDF] ► ... Duration and Patterns-When Processing Numeric Table Data in Paper or PDF Format

A Xu, C Hill, N Carolina - Master paper, School of Information and Library ..., 2000 - ils.unc.edu

... and the software used to retrieve and **display** the data ... image of the eye onto a solid-state **video sensor** ... plot that shows the scan paths and **area** of interests ...

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Generation, archiving, and retrieval of digital images with evoked suggestion-set captions ...

A Balogh, H Blejer, E Chen, S Flank, C ... - US Patent 5,493,677, 1996 - Google Patents

... G06F 15/403 Primary Examiner—Thomas G. **Black** Assistant Examiner—Paul R. Lintz ... captions and other data, collectively known as the **metadata** associated with ...

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[PDF] ► Processing Numeric Table Data in Electronic Formats: Eye Movement Patterns and ...

T Gao, C Hill, N Carolina - UNC School of Information and Library Science, 2001 - ils.unc.edu

... desk, with a 19-inch computer **display**, mouse, and ... 504 eye tracking system uses a **video** camera with ... Many fixation points on the **vertical** and **horizontal bar area** ...

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